INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/38950

A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : C12Q 1/68; C12N 15/63 US CL : 435/6, 455					
According to	International Patent Classification (IPC) or to both nati	onal classif	rication and IPC		
	OS SEARCHED		<u>.</u>		
U.S. : 43					
Documentation	on searched other than minimum documentation to the e	extent that s	such documents are included in	the fields searched	
Electronic da EAST, CAPI	ta base consulted during the international search (name us, Medline, Embase, Biosis	of data bas	e and, where practicable, sear	ch terms used)	
C. DOC	UMENTS CONSIDERED TO BE RELEVANT			D. I I i - N-	
Category *	Citation of document, with indication, where ap	propriate,	of the relevant passages	Relevant to claim No.	
х	Mansell, A. et al. "The serine protease inhibitor antit	hrombin II	I inhibits LPS-mediated NF-	1	
x	kappaB activation by TLR-4", November 2001, FEBS letters, Vol. 508: pp.313-317. Yoshimura, A. et al. "Lipopolysaccharides from Periodontopathic Bacteria Porphyromonas gingivalis and Capnocytophaga achracea Are Antagonists for Human Toll-Like Receptor 4", Jan. 2002, Vol. 70: pp. 218-225.			1.	
Х, Р	Ohta, S. "Identification of a novel isoform of MD-2 that downregulates lipopolysaccharide signaling", November 2004, Biochem. Biophys. Res. Comm., Vol. 323: pp.1103-1108.		1, 4, 5-6.		
x	Su, B. et al., "Heliobacter pylori Activates Toll-Like Gastrointestinal Epithelial Cells", June 2003, Infec. 1	Receptor of Immun., V	4 Expression in ol. 71: pp. 3496-3502.	1, 8.	
x	Hatakeyama, J. "Contrating responses of human gingival and periodontal ligament 1, 8. fibroblasts to bacterial cell-surface components through the CD14/Toll-like receptor system", Feb. 2003, Oral Micro. Immun., Vol. 18: pp. 14-23.			1, 8.	
x	WO 03/035110 A1 (Arditi et al) 1 May 2003 (1.05.2003), pages 5-8.			1-6, 8.	
X,P	WO 2004/093778 (Cohen et al) 4 November 2004 (04.11.2004), see entire document, especially pages 4-9.			1-4	
	r documents are listed in the continuation of Box C.		See patent family annex.		
Special categories of cited documents: -A* document defining the general state of the art which is not considered to be of particular relevance.			*T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention		
"E" earlier a	pplication or patent published on or after the international filing date	"X"	document of particular relevance; the considered novel or cannot be conside when the document is taken alone	claimed invention cannot be ered to involve an inventive step	
C document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) *O* document referring to an oral disclosure, use, exhibition or other means		*Y*	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art		
1		• • •		•	
priority	priority date claimed		*& document member of the same patent family Date of mailing of the international search report		
Date of the actual completion of the international search		01 APR 2005			
19 March 2005 (19.03.2005) Name and mailing address of the ISA/US Authorized officer					
Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Roy 1450		Michael D. Burkhart Telephone No. (571) 277-2915			
P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (703) 305-3230 Telephone No. (571) 272-2915					

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ategory *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No	
A	US 6,740,487 B1 (Schwartz et al) 25 May 2004 (25.05.2004)	1-17	
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